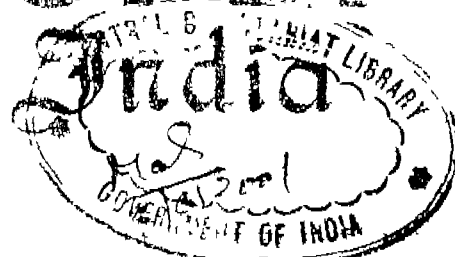


भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 8] नई दिल्ली, शनिवार, फरवरी 24, 2001 (फाल्गुन 5, 1922)
No. 8] NEW DELHI, SATURDAY, FEBRUARY 24, 2001 (PHALGUNA 5, 1922)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 24th February 2001

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1-477 GI/2000

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Territories of Laccadive Minicoy
and Amindivi Islands

Telegraphic address "PATENTOFIS"
Phone No. 490 1495
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Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O
Building, 5th, 6th & 7th
Floors, 234/4, Acharya Jagadish
Bose Road Calcutta-700 020

Rest of India

Telegraphic address "PATENTIS"
Phone No. 247 4401
Fax No. 033 247 3851

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by the Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office

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मुख्य तथा अतिरिक्त

कलकत्ता, दिनांक 24 फरवरी 2001

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुंबई, दिल्ली एवं चैन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोर के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांडी इस्टेट
तीसरा तल, लोअर परले (प.)
मुंबई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोंया राज्य क्षेत्र एवं मध्य
शक्ति क्षेत्र, दमन तथा दीव एवं
डादर और नगर कोकोरी।

तार पता—“पेटेंटिफिक”

फोन : 482 5092 फैक्स : 022 495 0622

पेटेंट कार्यालय शाखा

एकक सं. 401 से 405, तीसरा तल,
— अतिरिक्त अतिरिक्त भवन,
महाराष्ट्र भवन, कर्जाले बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
— अतिरिक्त अतिरिक्त दिल्ली राज्य
क्षेत्रों एवं मध्य शक्ति क्षेत्र क्षेत्राधिकार।

तार पता - “पेटेंटिफिक”

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,

चिंग सी (सी-4. ए),

तीसरा तल, राजाजी भवन, बसन्त नगर,

चैन्नई-600090।

अन्य पेटेंट कार्यालय केरल तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
गंध शासित क्षेत्र, लक्षद्वीप गिनि काय
तथा एण्डिमिनिव द्वीप।

तार पता—“पेटेंटिफिक”

फोन : 490 1495 फैक्स : 044 490 1492

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मिजोरम पैलेस द्वितीय बह्वर्तीय कार्यालय
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234/4 आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र।

तार पता - “पेटेंटिफिक”

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
1909 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा उपेक्षित
सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई
फीस पेटेंट कार्यालय के केवल समर्पित कार्यालय में ही ग्रहण
किये जायेंगे।

शालक • शालकों की अदायगी या तो नकद की जायगी अथवा
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक
में नियंत्रक को भुगतान योग्य बैंक डाफ्ट अथवा चैक द्वारा की
जा सकती है।

APPLICATION FOR THE PATENT FILED AT THE
HEAD OFFICE234/4, ACHARYA JAGDISH BOSE ROAD
CALCUTTA-700 020The dates shown in the crescent brackets are the dates
claimed under section 135, under Patent Act, 1970

27-11-2000

655/Cal/2000. Roger, C. Y. Chung. Bottom opened
type invisible zipper with a movable bottom-end
piece.656/Cal/2000. Emami Limited. Process for the preparation
of an improved herbal face cream to cure ble-
mishes, acne, pimples and to improve the skin
complexion.657/Cal/2000. Eaton Corporation. Synchronizer. (Conven-
tion No. 99288912 filed on 8-12-99 in UK).658/Cal/2000. Eaton Corporation. Synchronizer. (Conven-
tion No. 9928892.0 filed on 8-12-99 in UK).

28-11-2000

659/Cal/2000. Dr. Jagdish Narain Mishra. A device to
measure deviations in discharge rate.660/Cal/2000. Dr. Jagdish Narain Mishra. A device to
measure circumferential pressure deviations661/Cal/2000. General Electric Company. Fluted compres-
sor flowpath. (Convention No. 09/507,408 filed
on 18-2-2000 in U.S.A.).

29-11-2000

662/Cal/2000. Stahlecker Fritz. Stahlecker Hans. A trans-
port belt for fruiting a fibre strand to be
condensed. (Convention No.(s) 10002506.4 filed
on 21-1-2000 and 10029301.8 filed on 14-6-2000
in Germany).

30-11-2000

663/Cal/2000. Deutsche Thomson-Brandt GmbH. Device
for reading from and/or writing to optical record-
ing media. (Convention No. 19961440.7 filed on
20-12-99 in Germany).

1-12-2000

664/Cal/2000. Deutsche Thomson-Brandt GmbH. Method
and apparatus to detect a signal received from a
channel signal. (Convention No (s) 99125686.8
filed on 22-12-99 and 00108898.8 filed on 27-4-
2000 in EPO).665/Cal/2000. Moriyama Kogvo Kabushiki Kaisha. Stator
of a rotating machine (Convention No HFI 11-
342216 filed on 1-12-99 in Japan & No. unknown
filed on 27-11-2000 in U.S.A.)

666/Cal/2000. Honda Giken Kogyo Kabushiki Kaisha. Vehicle body structure for improved crash safety. (Convention No. 11-345999 and 11-346006 filed on 6-12-99 and 6-12-99 respectively in Japan).

667/Cal/2000. Medermott Technology, Inc. & The Babcock & Wilcox Company. Air distribution devices for low-Nox pulverized fuel burners. (Convention No. 09/537,377 on 29-3-2000 in United States of America).

5-12-2000

668/Cal/2000. Degussa-Huls Aktiengesellschaft. Flowable pellets containing nicotinamide and process for the production thereof. (Convention No. 199 59668.9 on 10-12-99 in Germany).

669/Cal/2000. Deutsche Thomson-Brandt GmbH. Device for wireless reception of radio signals. (Convention No. 19959715.4 on 10-12-99 in Germany).

670/Cal/2000. Dr. Tridibesh Mukherjee and Mr. Lalit Mohan Chatterjee and Mr. Dwarika Nand Jha and The Tata Iron & Steel Company Limited. A process for depositing a protective layer on the hearth wall of a furnace.

671/Cal/2000. Moriyama Kogyo Kabushiki Kaisha. Stator of an AC Generator. (Convention No. HEI 11-345923 filed on 6-12-99 in Japan).

7-12-2000

672/Cal/2000. TCM Corporation. Side talk type carrying vehicle.

673/Cal/2000. Indian Institute of Technology. Improved bubble column for simultaneous scrubbing of particulate and gaseous matters.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

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In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंधित आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जहाँ उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदत हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक एक्स के उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित बकाया की प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाइल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के स्वर्ण में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरखे, यदि कोई हो, की अंकिता प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30 रुपये प्रति का अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकिता प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरखे, यदि कोई हो, की कापी प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रिंट शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30 रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 107 F

185531

Int. Cl.⁴ : F 02 P 3/02.

CAPACITATIVE DISCHARGE IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES.

Applicant : ORBITAL ENGINE COMPANY (AUSTRALIA) PTY. LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA, OF 1 WHIPPLE STREET, BALCATTA, 6021, WESTERN AUSTRALIA, AUSTRALIA.

Inventor(s) :

1. MARK RAYMOND KITSON—AUSTRALIA
2. PETER JOSEPH AYRE—AUSTRALIA.

Application for Patent No. : 1101/Del/91 filed on 15-11-91.

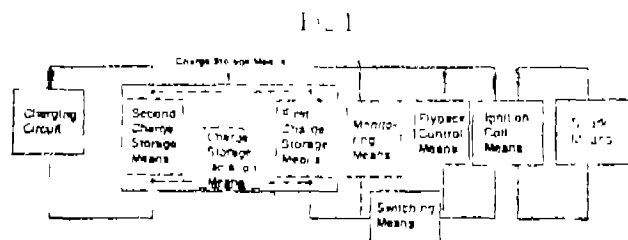
Convention Application No. : PK 3373/Australia/15-11-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

Capacitive discharge ignition system for internal combustion engines, comprising a charge storage device coupled to the primary coil of an ignition coil device having a secondary coil thereof coupled to a spark plug characterized in that a switching device is coupled to said charge storage device and the primary coil for discharging said charge storage device to provide a primary current through said primary coil

for enabling said spark plug to generate a spark, said switching device terminating said primary current in the primary circuit to induce a flyback potential across said primary coil to regenerate said spark for increasing the total spark duration, said switching device terminating said primary current at about the time when said charge storage device is substantially fully discharged.



(Compl. Specn. : 18 Pages.)

Drgns. : 3 Sheets)

Ind. Cl. : 50 D.

185532

Int. Cl.¹ : C 09 K. 5 00.

NON AZEOTROPIC REFRIGERANT COMPOSITIONS.

Applicant : ALLIED-SIGNAL INC. OF COLUMBIA ROAD AND PARK AVENUE, MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY 07962; THE UNITED STATES OF AMERICA.

Inventor(s) :

1. ROBERT GLKARD RICHARD—NEW YORK
2. IAN ROBERT SHANKLAND—NEW YORK
3. RAJIV RATNA SIGH—NEW YORK

Application for Patent No. : 0068/Del/92 filed on 30-01-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005

5 Claims

Non-azeotropic refrigerant compositions comprising from 10 to 90 weight percent of a first component selected from the group consisting of 1, 1, 1-trifluoroethane and difluoromethane and mixtures thereof, from 1 to 50 weight percent of a second component, carbon dioxide, and from 1 to 50 weight percent of a third component, pentafluoroethane, wherein said non-azeotropic refrigerant compositions have a vapor pressure which is $\pm 30\%$ of the vapor pressure of chlorodifluoromethane over the temperature range of 0°C to 100°C

(Compl. Specn. : 18 Pages;

Drgn. : 1 Sheet)

Ind. Cl. : 81

185533

Int. Cl.¹ : E 21 B 35/00.

A PROCESS FOR THE MANUFACTURE OF FLAME-RETARDANT ACRYLIC FIBRES.

Applicant : J. K. SYNTHETICS LIMITED, AN INDIAN COMPANY OF JAYKAYNAGAR, KOTA-324003, (RAJASTHAN), INDIA.

Inventor(s) :

1. NARESH DUTTA SHARMA—INDIA
2. BOMMU VENKATESHVERA RAO—INDIA
3. AKHILESH PANDEY—INDIA

Application for Patent No. : 0080/Del/92 filed on 04-02-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the manufacture of flame retardant acrylic fibre comprising preparing the acrylic fibre in any known manner, characterized in that said acrylic fibre being treated with an aqueous solution of hydroxylamine hydrochloride, hydroxylamine phosphate and/or hydroxylamine sulphate together with water soluble resin at a temperature 40—130°C for a period of 0.5 to 6 hrs. for imparting flame retardant properties thereto.

(Compl. Specn. : 11 Pages,

Drgn. Nil Sheet)

Ind. Cl. : 171 XXXVIII (4).

185534

Int. Cl.¹ : A 61 B 3/04, G02 B 27/18.

A ZEROPHSCOPE.

Applicant : KALAPPATTIL KRISHNANKUTTY AN INDIAN NATIONAL OF D-45, AMAR COLONY, LAJPAT NAGAR, NEW DELHI-110 024—INDIA.

Inventor : KALAPPATTIL KRISHNANKUTTY—INDIA.

Application for Patent No. : 0087/Del/92 filed on 06-02-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

3 Claims

A zerophscope for viewing the insides of the patient's eye comprising a body (3) for accommodating dry cells (4) therein, a bulb (7) being provided in the neck portion (2) provided at one end of said body, a slanting plain mirror being (10) provided in the head portion (1) for reflecting the beam of light rays towards the eye of the patient, a hole (9) being provided in said head portion (1) on the doctors side thereof so that the doctor can see the inside of the patient's eyes, characterized in that a condensing lense (6) with or without another lense (8) being provided in the head portion (1) for condensing the light rays coming out from said bulb (7) for the maximum illumination of the retine of the eye, said slanting hole (9) is provided at an angle of 45 to 50° and, means being provided to vary the intensity of the light rays.

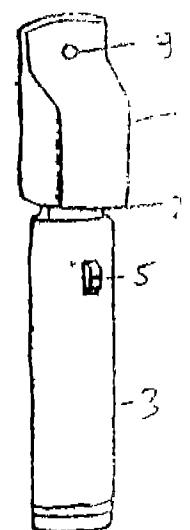


Fig-1

(Compl. Specn. : 7 Pages;

Drgns. 2 Sheets)

Ind. Cl. . 23—H

185535

Int. Cl. . E 04 H—1, 12

A DEVICE FOR CASTING MONOLITHIC CONTAINERS, COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860)

Inventor(s) :

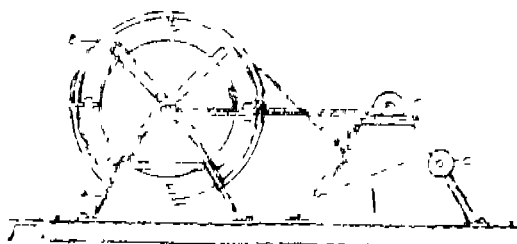
1. SULTAN SINGH JAIN—INDIA
2. JAMSHED AHMED—INDIA
3. SNEH LATA KHANDUJA—INDIA
4. ARJUN DEV GADH—INDIA

Application for Patent No. : 229/Del/92 filed on 13th March, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005

3 Claims

A device for casting monolithic container which comprises a container (7), fixed on a casting platform (3) supported on columns (5) having central hole (4) equal to the diameter of mould (10) with a clearance gap (8), the said casting mould (10) fixed on a vertical threaded rod (14), through plate (6), said threaded rod (14) being vertically mounted on a bevel gear (2A), the said bevel gear (2A) being mounted by means of bearing on a support (13), the said bevel gear (2A) also being meshed to another bevel gear (2B) having conventional means (1,9,12) of rotating for upward or downward movement of the rod (14) & mould (10). a ramp (11) is provided for taking cast to curing place



(Compl. Specn. 6 Pages,

Dwg. Sheets 3)

Ind. Cl. . 2054

185536

Int. Cl. . B 29 D, 30, 06

IMPROVEMENTS IN INDUSTRIAL SOLID TIRES.

Applicant : UNROYAL CHEMICAL COMPANY INC, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, U.S.A. of WORLD HEAD-QUARTERS, MIDDLEBURY CONNECTICUT-06749 U.S.A.,

Inventors :

1. DAVID MARSHALL CLONCH—USA
2. GEORGE HAMLIN NYBAKKEN—USA
3. RICHARD LOUIS PATINKAS—USA

Application for Patent No. 0242/Del/92 filed on 17th March, 92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch New Delhi-110 005

5 Claims

A solid tire formed of an elastomer and having a radial depth of at least half the total thickness of tire and a width in the axial direction of said wheel of at least double said

radial depth, said tire including at least one slot circling the periphery of said tire and dividing said tire into at least two annular sections separated by said slot having a depth of at least two thirds of the radial depth of said tire, and the ratio of the depth of said slot to the axial width, measured in the axial direction of the wheel, of at least one of said annular sections being in the range of 0.65 to 1.75

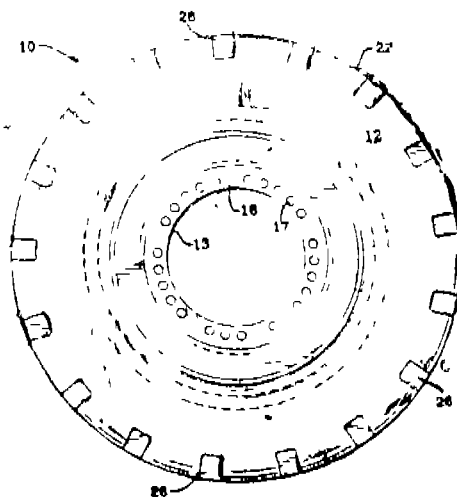


FIG. 1

(Compl. Specn 16 Pages

Dwg. Sheets 4)

Ind. Cl. . 32E

185537

Int. Cl. . C 08 F 226, 32

A PROCESS FOR PREPARING A VISCOUS BLOCK COPOLYMER.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDT LAAN 30,2596 HR, THE HAGUE, THE NETHERLANDS

Inventors :

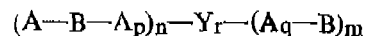
1. JAMES ROBERT TRICKSON—USA
2. DAVID JOHN ST. CLAIR—USA.

Application for Patent No. 292/Del/92 filed on 31st March, 92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005

6 Claims

A process for preparing a viscous block copolymer of the formula



wherein Y is a coupling agent or coupling monomers, of the kind as herein described and wherein A and B are polymer blocks and A blocks have a molecular weight from 100 to 3000 and the B blocks have a molecular-weight from 1000 to 15,000 said polymer blocks being selected from homopolymer blocks of conjugated diene monomers, copolymer blocks of conjugated diene monomers or copolymer blocks of conjugated diene monomers and monoalkenyl aromatic hydrocarbon monomers, and wherein the A blocks have a greater number of tertiary unsaturation (TU) sites per unit of block mass than do the B blocks, and wherein p and q are 0 or 1 and n > 0, r is 0 or 1 m > 0 and n + m ranges from 1 to 100

by polymerising conjugated diene monomers and/or monoalkenyl aromatic hydrocarbon monomers in a known manner.

(Compl. Specn 12 Pages,

Dwg. Sheet Nil)

Ind. Cl. : 170B

185538

Int. Cl.⁸ : C 11 D 3/00

A LAUNDRY DETERGENT COMPOSITION.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Inventors :

1. BUSCH, ALFRED—DENMARK.
2. MACCORQUODALE, FINLAY—BRITISH.

Application for Patent No. 314/Del/92 filed on 8th April 92.

Convention date 12491/91870062 5/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110 005

5 Claims

A detergent composition for use in a wash solution, comprising conventional detergent ingredients including surfactants, builders and/or organic filler salt and other optional ingredients an alkaline cellulase at a level so as to deliver from 0.005 to 40 mg/l of the wash solution of said cellulase, and a polyvinylpyrrolidone of a molecular weight of from 8000 to 15000 at a level set as to deliver from 5 to 500 mg/l of said polyvinylpyrrolidone in the wash solution.

(Compl. Specn. 41 Pages;

Drng. Sheet Nil)

Int. Cl. : 170B

185539

Int. Cl.⁸ : C 11D 1/00

A PARTICULAR DETERGENT COMPOSITIONS AND A PROCESS FOR PREPARING THE PARTICULATE DETERGENT COMPOSITION.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, U.S.A

Inventors :

- BAILLEY GERARD MARCEL—FRANCE
MOSS, MICHAEL ALAN JOHN—BRITISH
WILKINSON, CAROL PATRICIA D—BRITISH

Application for Patent No. 344/Del/92 filed on 22-4-92

Convention Date 23-4-91/9108639.7/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

1/ Claims

A particulate detergent composition having pH as a 1% solution in 20°C distilled water, of at least 10, for use as, or as a component of, a solid laundry detergent composition, said particulate composition, comprising an intimate mixture of

(a) from 10% to 95% by weight of a crystalline layered silicate material of formula $NaMSi_xO_{2x+1}-yH_2O$ where in M is sodium or hydrogen, x is a number from 1.9 to 4 and Y is a number from 0 to 20;

(b) from 5% to 90% by weight of a solid water-soluble ionisable material selected from organic acids, organic and inorganic acid salts and mixtures thereof, said solid water-soluble ionisable material having a mean particle size not greater than 300 micrometers;

(c) from 0% to 20% by weight of one or more binder agents as herein described,

(d) from 0% to 50% by weight of an anionic, nonionic, ampholytic or zwitterionic surfactant; and

(e) from 0% to 50% by weight of detergent ingredients as herein described other than those in (a) to (c) above.

(Compl. Specn. 48 Pages;

Drng. Sheet Nil)

Ind. Cl. : 128A

185540

Int. Cl.⁸ : A 61F 13/16

AN ABSORBENT ARTICLE.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO 45202, U.S.A

Inventors :

- DONALD CARROLL ROE—U.S.A.
JERRY LAYNE DRAGOO—U.S.A.
GARY BERNARD GILKESON—U.S.A.

Application for Patent No. 346/Del/92 filed on 22-4-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

An absorbent article comprising a liquid pervious topsheet, a liquid impervious backsheet joined to said topsheet, and an absorbent core positioned between said topsheet and said backsheet, said absorbent core comprises an absorbent structure comprising a primary structure and a plurality of particles wherein said primary structure holds said particles of substantially water insoluble, absorbent, hydrogel-forming, polymer material in said primary structure, the said particles are of such a size that at least 80% of said particles, by weight, will pass through a 50 mesh sieve with 297 micron openings and be retained on a 140 mesh sieve with 150 micron openings.

(Compl. Specn. 56 Pages,

Drng. 10 Sheets)

Ind. Cl. : 76 F

185541

Int. Cl.⁸ : A44 B, 11/00

A MULTI-ZONE FEMALE COMPONENT FOR A RE-FASTENABLE FASTENING DEVICE.

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI STATE OF OHIO 45202, U.S.A.

Inventor : DAVID JOSEPH KENNETH GOULAIT—U.S.A.

Application for Patent No. 0423/Del/92 filed on 18-5-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

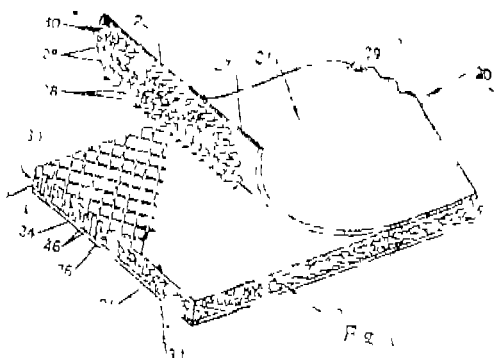
5 Claims

A multi-zone female component (22) for a refastenable fastening device, capable of engaging a complementary hook fastening component having a base with individual hooks having blunt heads extending outward from said base, comprising:

a first zone (30) comprising a first nonwoven web having a basis weight of between 8.5 and 18 g/meter² comprised of fibers with a denier of between 2 and 15;

a second zone (32) comprising a second nonwoven web having a basis weight of between 8.5 and 36 g/meter² comprised of fibers with a denier of between 2 and 15; and

a backing (34) adjacent said second nonwoven web, wherein said first nonwoven web and said second nonwoven web are held in place with respect to said backing with said second nonwoven web between said first nonwoven web and said backing.



(Compl. Specn. 63 Pages;

Drng. 11 Sheets)

Ind. Cl.: 115

185542

Int. Cl.⁴: B29 D, 7/00

MULTILAYERED FILMS OR SHEETS.

Applicant: STANDIPACK PRIVATE LIMITED, AN INDIAN COMPANY OF 25 COMMUNITY CENTRE EAST OF KAILASH, NEW DELHI-110065, INDIA.

Inventor: KAMAL MEATTLE—INDIA.

Application for Patent No. 0429/Del/92 filed on 18-5-92.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

6 Claims

A multi-layered sheet comprising at least one layer of copolyesterether, at least one tie layer, and at least one layer of polyolefin wherein said tie layer is positioned between each of the copolyesterether and polyolefin layers.

(Compl. Specn. 13 Pages;

Drng. Sheet Nil)

Ind. Cl.: 136I, 145F

185543

Int. Cl.⁴: B 27D 1/08, B 31F 1/20

AN IMPROVED PROCESS AND APPARATUS FOR PRODUCTION OF ASPHALTIC ROOFING SHEETS.

Applicant: VANGALA PATTABHI, C/o T. S. R. K. LOHIT 1/24, SARVA PRIYA VIHAR (GROUND FLOOR) New DELHI—INDIA

Inventor: VANGALA PATTABHI—INDIA,

Application for Patent No. 438/Del/92 filed on 20-5-92.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office Branch, New Delhi 110 005

6 Claims

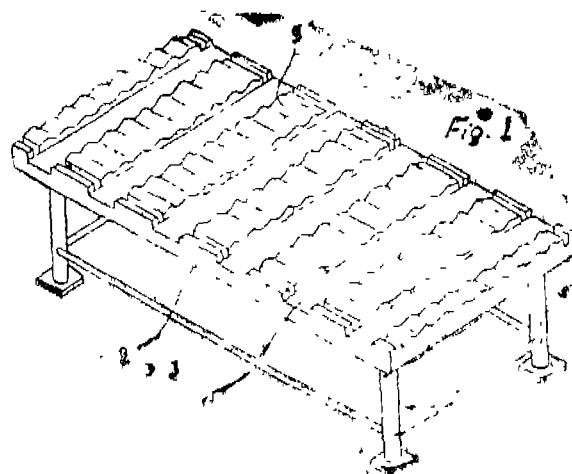
An improved process for the production of asphaltic roofing sheets having a shape or profile, such as in the form of corrugations comprising

(i) forming green sheets from pulp by any known method, characterized in that

(ii) reducing the moisture content of the green sheet to 120 to 160% of the dry weight of the sheet,

(iii) subjecting the wet green sheet to step of formation of a profile, such as corrugations, thereon by a profile imparting member; and

(iv) drying said sheet while still being supported on said profile imparting member so as to obtain the required toughness and stiffness.



(Compl. Specn. 13 Pages;

Drng. 1 Sheet)

Ind. Cl.: 98 E

185544

Int. Cl.⁴: F 28 D 1/00

HEAT EXCHANGER.

Applicant: TOYO ENGINEERING CORPORATION, A BODY CORPORATE ORGANISED UNDER THE LAWS OF JAPAN, OF 2-5 KASUMIGASFKI 3-CHOME, CHIYODA-KY, TOKYO, JAPAN

Inventors:

HIROSHI OTOBE,

KIYOSHI NAKAO &

YUJI KAWAMOTO (JAPAN)

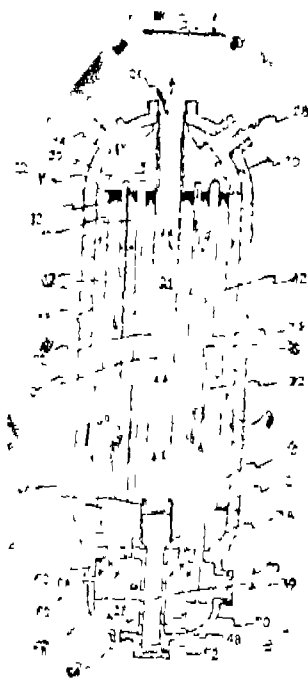
Application for Patent No. 454/Del/92 filed on 26-5-92.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch New Delhi-110005

5 Claims

A heat exchanger comprising a first cylindrical shell (10) closed at one end thereof and having a main tube plate (38) at other end, said main tube forming an intermediate space (66) with a second cylindrical shell and an auxiliary tube plate (58) enclosing said intermediate space at the other end said auxiliary tube plate (58) forming an inner

tube (56) space with a third cylindrical shell (50), said third cylindrical shell closed at the other end thereof; said main plate having plurality of outer tubes (34) projected therefrom into said first cylindrical shell which are closed at their free end and open into said intermediate space; said auxiliary tube plate having plurality of inner tubes (36) projected therefrom into each said outer tube which open both at their free ends and into said inner tube space at said auxiliary plate; said first cylindrical shell having an inlet (14) and an outlet (26) for a first fluid; second cylindrical shell having a first opening (68) and said third cylindrical shell having a second opening (54) characterized in that the major part of the portion of each said inner tube (36) which is exposed in said intermediate space (66) is provided with means to enable removal of said exposed inner tube to be detached from said intermediate space, said inner tube being removable from said auxiliary plate and being forcible into the relative outer tube by a distance substantially equal to a length of the portion of said inner tube disposed in said intermediate space and fixable to said main tube plate, so that said intermediate space is substantially empty.



(Compl. Specn. : 21 Pages; Drawngs : 5 Sheets)

Ind. Cl. : 146 C & D 185545

Int. Cl.⁴ : G 01 B 11/00

AN APPARATUS FOR MEASURING THE SURFACE CHARACTERISTICS OF OBJECT

Applicant : RANK NEMO (HTR) LTD, A BRITISH COMPANY, OF 2 NEW STAR ROAD, LEICESTER, LE4 9JQ, ENGLAND

Inventors :

IAN KARL BUEHRING &
DANIEL MANSFIELD

Applicant for Patent No 463/Del/92 filed on 29-5-92

Convention date 30-9-91/9111657.4/(U.K.)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005

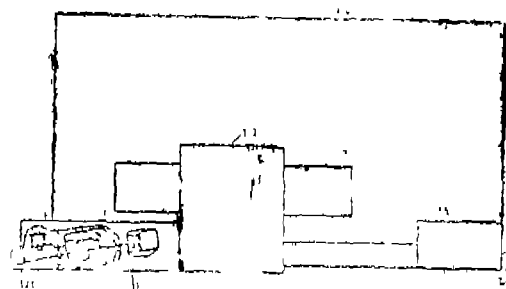
41 Claims

An apparatus for measuring the surface characteristics of an object, which apparatus comprises.

a probe (130) for contracting and moving along a surface to be measured.

a probe support (120) on which said probe is mounted for movement about a pivot axis (121) provided by said probe support (120) to enable said probe (130) to follow said surface; and

a grating interferometer for providing a measure of the pivotal movement of the probe, said interferometer incorporating a diffraction grating (300) connected to said probe support to enable the grating (300) to move with said probe (130), said diffraction grating (300) presenting a curved surface for receiving an illuminating beam (310) with the centre of curvature of said diffraction (300) grating being located at the pivot axis (121) of said probe



(Compl. Specn. : 63 Pages; Drawngs : 21 Sheets)

Ind. Cl. : 14C

185546

Int. Cl.⁴ : H 01 M—6/02

"AN ELECTROCHEMICAL CELL"

Applicant : DURACELL INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATES OF DELAWARE, OF 37 A STREET, NEEDHAM, MASSACHUSETTS 02194, UNITED STATES OF AMERICA

Inventors :

CHIH-CHUNG WANG—U.S.A.
TERRY CHARLES EISENSMITH—U.S.A
CHARLES EDMOND KIERNAN—U.S.A
ROBERT LOUIS MILANESE—U.S.A

Application for Patent No 468/Del/92 filed on 1-6-92

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005

11 Claims

An electrochemical cell having two external terminals (20, 22) a label (24, 124) and a cell condition indicator (12, 112); said cell comprising a cylindrical container (10) having an outer surface that provides one of said terminals (20 or 22); and electricity conducting means (124) from inside of said container, through a cover, (130, 140) which seals said container (10), to another of said external terminals; (22, 122) and said cell condition indicator (12, 112) comprises a thermochromic display and a resistance heating element (15, 115) located between two electrical contacts (14, 16) which during the operation of said cell condition indicator (12, 112) are electrically connected to said terminals (20, 22) wherein a said contact (14, 16) disposed at one of said terminals (22 or 20) is separated from electrical contact therewith by an aperture (19, 151) in an electrically insulating film (18, 118) whereby for actuation of said indicator (12, 112) said contact

(14, 16) is brought into electrical contact with the terminal (20, 22) by application of external pressure to cause the contact (14, 16) to pass through said aperture (19, 151) in said insulating film (18, 118) and thermal insulating film (18, 118) is located between said resistance heating element (15, 115) and said electrochemical cell container (10)



FIG 1

(Compl. Specn. : 25 Pages;

Drwng. 2 Sheets)

Ind. Cl. : 129K

185517

Int. Cl.⁴ : F16B 31/00, 31/06, 33/04, 35/06

"SCREW HEAD".

Applicant : PHILIPS SCREW COMPANY, A COMPANY INCORPORATED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 70 BLANCHARD ROAD, BURLINGTON, MASSACHUSETTS 01803, UNITED STATES OF AMERICA.

Inventor : JOHN HENRY GRADY—U.S.A.

Application for Patent No. 473/Del/92 filed on 3-6-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

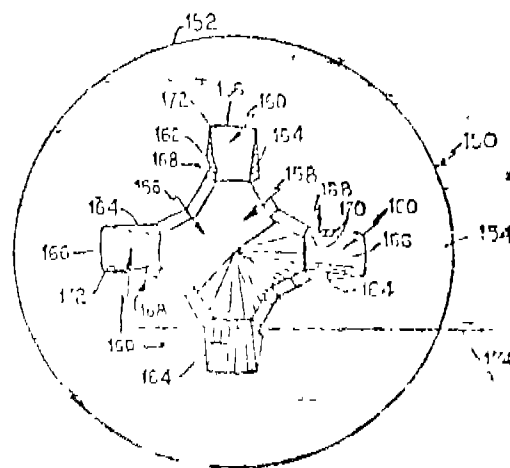
6 Claims

A screw head provided with a rib on a driver-engageable surface comprising a side wall, the rib having a surface which comes to an apex which is engageable by an edge of the driver to reduce tendency of the driver to slip out of engagement with the side wall the screw head being formed by a metal-deforming punch to cause metal flow in a pre-determined direction;

characterised in that the rib 26 is straight and has a triangular cross section the apex of the triangular forming a rib edge which is engageable by the edge of the driver the rib axis being tilted upwardly and outwardly from the screw axis in the direction of metal flow by an angle A (the rib angle) with respect to a plane parallel to the screw axis, said rib angle A being between 1° and 10°, the associated side wall 22 being slanted outwardly from the screw axis by a vertical wing angle B between 1° and 10°, said rib 26 having an apex angle sufficiently large that a vertical section through said tilted rib will provide an angle D (the base angle) for the rib surface which is equal to or less

than the vertical wing angle B, said apex angle being measured in a plane normal to the rib edge.

FIG. 5



(Compl. Specn. : 9 Pages;

Drwng. : 3 Sheets)

Ind. Cl. : 206C IxII

185548

Int. Cl.⁴ : G 06 9/00, 15/00, 17/00, 21/00 and 23/00

"APPARATUS FOR IMPLEMENTATION OF SOFTWARE LICENCE MANAGEMENT OPERATIONS".

Applicant : DIGITAL EQUIPMENT CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA, OF 146 MAIN STREET, MAYNARD, MASSACHUSETTS 01745, UNITED STATES OF AMERICA.

Inventor : ROBERT MARK WYMAN—U.S.A.

Application for Patent No. 484/Del/92 filed on 9-6-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

2 Claims

Apparatus for implementation of software licence management operations comprising a combination of hardware means interconnected as under :

means such as server or a central processing unit for maintaining a store of licence authorization for said software products; each license authorization including an encoded document of license management system for a software product said encoded document containing a number of features defining said license policy;

filter means connected to the means for maintaining, for selecting from said store said filter means, specifying one or more of said features and a Boolean operator for selected attribute;

code generating or calling means for sending a request;

accessing means such as database interface connected to the means for maintaining, to access the said store to obtain information from said license authorization for said software product, and comparing said identification of said user and said software product with said information to produce a grant or refusal of said request; and

conveying means connected to the accessing means for sending said grant or refusal to said user.

(Compl. Specn. : 88 Pages.

Drwng. : 18 Sheets)

Ind. Cl. : 140 A₂

185549

Int. Cl.¹ : C 10 M 101/02

"A LUBRICANT COMPOSITION FOR TWO-CYCLE ENGINE".

Applicant : THE LUBRICOIL CORPORATION, 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092-2298 UNITED STATES OF AMERICA.

Inventors :

PAUL ERNEST ADAMS—U.S.A.

WILLIAM KENENETH STEPHAN CLEVELAND—

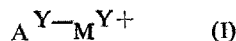
SHERI LEE BLYSTONE—U.S.A.

Application for Patent No. 485/Del/92 filed on 9-6-92.

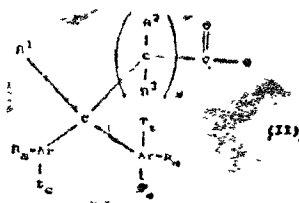
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

35 Claims

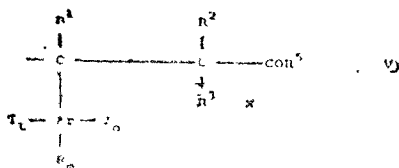
A lubricant composition for two-cycle engines comprising at least 50% by weight of an oil of lubricating viscosity such as herein described and less than 50% by weight of a compound of the general formula (I) :



wherein M represents metal ions, Y is the total valence of all M and A represents one or more anion containing groups having a total of about Y individual anionic moieties and each anion containing group is a group of formula (II) :



wherein T is selected from the group consisting of formula (V) :



wherein each R⁵ is independently selected from 0- and OR⁶ wherein R⁶ is H or alkyl and each t is independently 0 or 1, wherein T is as hereinbefore defined and wherein each Ar is independently an aromatic group of from 4 to about 30 carbon atoms having from 0 to 3 optional substituents selected from the group consisting of polyalkoxyalkyl lower alkoxy, nitro, halo or combinations of two or more of said optional substituents, or an analog of such an aromatic group, each R is independently a hydrocarbyl group, R¹ is H or a hydrocarbyl group R¹ and R² are each independently H or a hydrocarbyl group each m is independently 0 or an integer ranging from 1 to about 10 x ranges from 0 to about 8, and each z is independently OH (OR)^b OH or O- wherein each R is a divalent hydrocarbyl group and b is a 1 to about 30 and c ranges from 0 to about 5 with the proviso that when t in Formula (II) = 0 or when T is Formula (V), then c is not 0, provided that the sum of m, c and t, does not exceed the valences of the corresponding Ar.

(Compl. Specn : 56 Pages;

Drwg. : Nil Sheet)

Ind. Cl. : 21B

185550

Int. Cl.¹ : A 43 B 13/00

"IMPROVED INSOLE FOR SHOE, SANDALS AND THE LIKE FOOTWEAR".

Applicant : ADARSH GUPTA, AN INDIAN NATIONAL, 4/42, PUNJABI BAGH, DELHI.

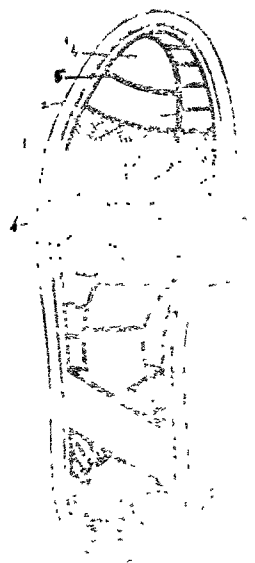
Inventor : ADARSH GUPTA—INDIA.

Application for Patent No. 493/Del/92 filed on 11th June, 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

An improved Insole for Shoes, Sandals and the like footwear which consists of a sheet of leather or a plastic material having on its upper surface a plurality of ribs and/or a plurality of raised pattern having channels in between the various parts of the raised pattern, wherein the rib and/or channels having a height of from 0.1 c.m. to 1.0 c.m.



(Compl. Specn. : 4 Pages;

Drwg. : 1 Sheet)

Ind. Cl. : 128G

185551

Int. Cl. : A 41 B 13/16

"A DISPOSABLE ABSORBENT ARTICLE WITH DYNAMIC ELASTIC WAIST FEATURE".

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventor(s) :

KENNETH BARCLAY BULL—U.S.A.

SANDRA HINTZ CLEAR—U.S.A.

DANIELA THREASE FALCONE—U.S.A.

Application for Patent No. 495/Del/92 filed on 11-6-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

An improved disposable absorbent article (20), comprising :

a containment assembly (22) comprising an absorbent core (28) having side edges (82) and waist (83) edges, a liquid pervious topsheet (24) and a liquid impervious backsheet, (26) said absorbent core positioned between said topsheet and said backsheet;

an elastic waist feature (34) at least extending longitudinally outwardly from one of said waist edges of said absorbent core, wherein said elastic waist feature comprises

- (a) an elasticized waistband (35) comprising
 - (i) a shaping panel zone (130) zone being elastically extensible in at least the lateral direction,
 - (ii) a waistline panel zone (138) resiliently flexurally joined with said shaping panel zone, (136) said waistline panel zone (138) being elastically extensible in at least the lateral direction, and
 - (iii) a predisposed, resilient, waistband flexural hinge (140) zone joining said shaping panel (130) zone and said waistline panel (138) zone for allowing relative flexural bending between said shaping panel zone and said waistline panel zone when forces are applied and for providing a restoring force/moment to resiliently return said shaping panel zone and said waistline panel zone to essentially their preceding in-use configuration when the forces are removed, said waistband flexural hinge (140) zone having a bending flexure restoring force greater than 20 grams, and
- (b) a second flexural hinge zone (154) joining said elasticized waistband to said containment assembly; and a closure assembly (36) disposed on the absorbent article for creating/maintaining lateral tension through at least a portion of said elasticized waistband.

(Compl. Specn. : 93 Pages; Drwng. : 15 Sheets)

Ind. Cl. : 206 J. 185552

Int. Cl. : G 11 B, 7/00

'OPTICAL DISC AND METHOD FOR PRODUCING THE OPTICAL DISC'.

Applicant : SONY CORPORATION, A JAPANESE COMPANY OF 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventor(s) :

KENJI TAKAHASHI—JAPAN,
KATSUAKI TSURUSHIMA—JAPAN,
TABA O YOSHIDA—JAPAN,
KAZUHIKO FUJIE—JAPAN,
HIROTOSHI FUJISAWA—JAPAN,
HIROSHI MUKAWA—JAPAN.

Application for Patent No. 0502/Del/92 filed on 11-06-92.

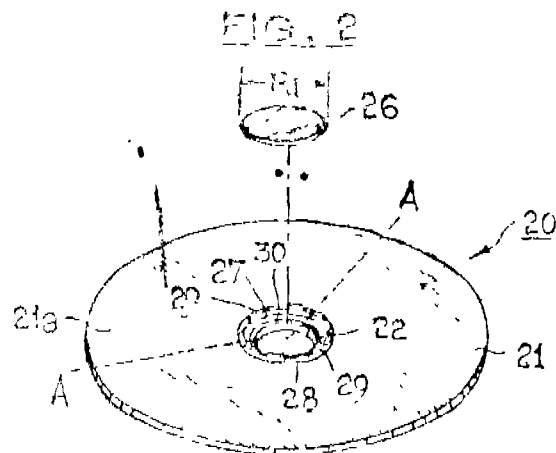
Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

An optical disc comprising :

a disc base plate (21, 102) made of a light transmitting synthetic resin material and a magnetic member (26, 105) held on the middle of the disc base plate (21, 102) by holding means;

characterised in that the magnetic member (26, 105) is accommodated in a recess (27, 106) integrally moulded at the middle of one major surface of the disc base plate (21, 102) and is held therein by holding means, said holding means (29a, 102) integral with the disc base plate (21, 102) and which holds the magnetic member (26, 105) in the recess with a predetermined gap (D₁, D₂, D₃, D₄) the magnetic member (26, 105) and the disc base plate (21, 102).



(Compl. Specn. : 21 Pages; Drwng. : 5 Sheets)

Ind. Cl. : 206 L

185553

Int. Cl. : G 11 B, 7/00

'A RECORDING DISC FOR RECORDING INFORMATION SIGNALS'.

Applicant : SONY CORPORATION, A JAPANESE COMPANY, OF 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventor : HIROSHI MUKAWA—JAPAN.

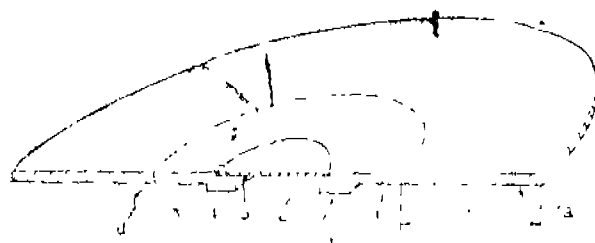
Application for Patent No. 0503/Del/92 filed on 11-06-92.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A recording disc (a) for recording information signals comprising a disc substrate (1) carrying a signal recording section (4) on at least a surface (12) thereof, characterised in that said disc (a) is provided with a positioning reference plane (42) at a central region of one of the surfaces of said disc substrate, (1) and an upright wall portion for integrally connecting said reference plane (42) to said signal recording section (A) an annular rig (4) provide that a central portion of the surface of the disc substrate (1) on which a recording/reproducing light beam is incident, said rig (4) having a center on the same axis as a center hole (5) traversing said disc substrate (1) from one (12) to the other surface thereof.

FIG. 3



(Compl. Specn. : 24 Pages; Drwng. : 6 Sheets)

Ind. Cl. : 129 G

185554

Int. Cl.⁸ : B21C 37/02**AN IMPROVED LASER WELDING APPARATUS AND AN IMPROVED METHOD TO BUTT WELD A PLURALITY OF METALLIC SHEETS**

Applicant : A. K. STEEL CORPORATION, A DELAWARE CORPORATION OF 703 CURTIS STREET, MIDDLETOWN, OHIO 45043, USA.

Inventor : GAR LOUIS NEHEISEL, (USA).

Application for Patent No. 522/Del/92 filed on 16-6-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

16 Claims

An improved laser welding apparatus (10, 210) for butt welding a plurality of metallic sheets (12, 13, 212, 213) along a relatively long common (15) seam line, said apparatus comprising :

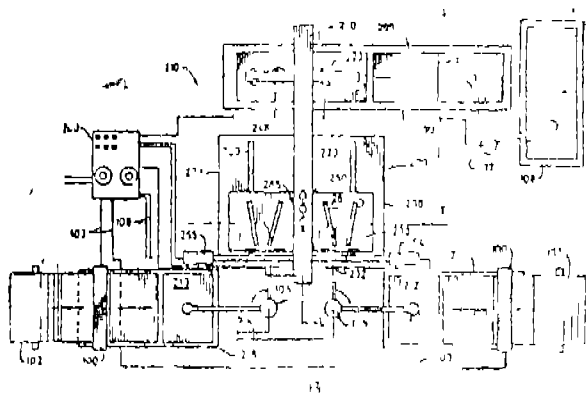
a welding (20, 220) table having an upper (34, 234) surface on which a plurality of metallic sheets (12, 13, 212, 213) may be supported for welding along a common (15) seam line, a longitudinal (L) axis along which said seam (15) line will be aligned, a transverse (T) axis substantially perpendicular to said longitudinal (L) axis, and a pair of transversely spaced (38, 39), (238, 239) side edges :

a plurality of substantially identical laser welding (50, 250) devices mounted above said upper (34, 234) surface and aligned such that their welding beams will be directed along said common (15) seam line, said welding (50, 250) devices each being effectively spaced at a distance from one another along said longitudinal (L) axis, and means (163) for independently adjusting a plurality of said welding means in a direction parallel to said transverse (T) axis to track said seam (15) line;

means (17, 18, 217, 218) for loading sheets to be butt welded onto said upper (34, 234) face, said loading means providing a first sheet (12, 212) generally along said transverse (7) axis from one side (38, 238) edge of the table, and a second sheet (13, 213) generally along said transverse (7) axis and from the other side (39, 239) edge;

means (36, 285, 189) for aligning said metallic sheets (12, 13, 212, 213) on said upper surface (34, 234) in an abutting relationship along a common (15) seam line and

means (25, 255) for simultaneously moving said welding (50, 250) devices relative to said seams (15) line along said longitudinal (L) axis, and means for simultaneously operating said welding (50, 250) devices to weld said sheets (12, 13, 213, 212) together, whereby each laser (50, 250) welds only a portion of said sheets along said seam line (15) and the length of said relative movement is greater than said spacing (X) distance between adjacent welding (50, 250) devices to insure some overlap of welding along said seam (15) line.



(Compl. Specn. 26 Pages;

Orgn. 2 Sheets)

Ind. Cl. : 129 G 1

185555

Int. Cl.⁸ : B 21 H, 8/00, B21 J, 15/00, 15/10**AN APPARATUS FOR MAKING SCREWS, RIVETS AND OTHER ELONGATED OBJECTS**

Applicant : ENKOTEC A/S, A DANISH COMPANY, DANMARKSVEJ 37 DK-8660 SKANDERBORG, DENMARK

Inventors :

(1) OVE NEILSEN, DENMARK.

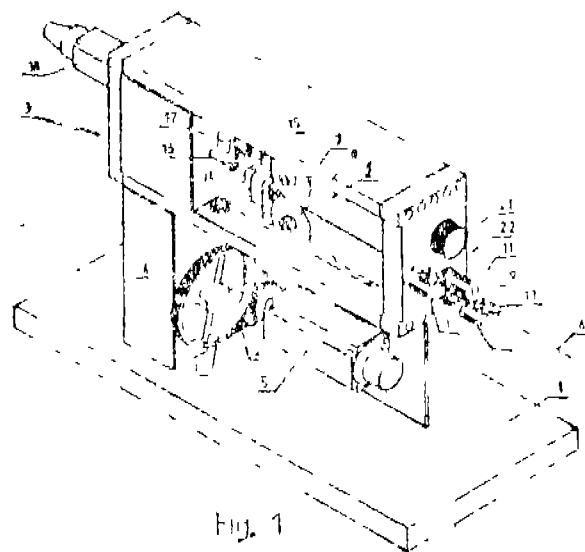
(2) JESPER FRANDSEM, DENMARK.

Application for Patent No. 525/Del/92 filed on 16-06-92

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

An apparatus for making screws, rivets and other elongated objects, comprising a stationary cropping bushing through which a wire is movable forwardly to a movable cropping bushing to release a wire blank in a subsequent cropping process from the wire for further forming wherein the movable cropping bushing is secured to a transport device by means of which it is movable from a receiving position opposite the stationary bushing to a discharge position opposite a die between said die and a punch provided to move the blank partly into the die and to compress the blank sufficiently to pre-up set it by cold flowing in the region between the die and the movable cropping bushing characterized in that at least two movable cropping bushings are arranged in a rotatable cropping table in such a way that when one movable cropping bushing is in a receiving position, another cropping bushing is, simultaneously in a discharge position.



(Compl. Specn. 35 Pages;

Orgn. Sheets 22)

Ind. Cl. : 129 G 1

185556

Int. Cl.⁸ : B 21 H, 8/00, B21 J, 15/00, 15/10**AN APPARATUS FOR MAKING A HEAD ON AN ELONGATE BLANK.**

Applicant : ENKOTEC A/S, A DANISH COMPANY, DANMARKSVEJ 37, DK-8660 SKANDERBORG, DENMARK.

Inventors :

(1) OVE NEILSEN, DENMARK.

(2) CLAUS FLEMMING MADSEN, DENMARK.

Application for Patent No. 526/Del/92 filed on 16-06-92.

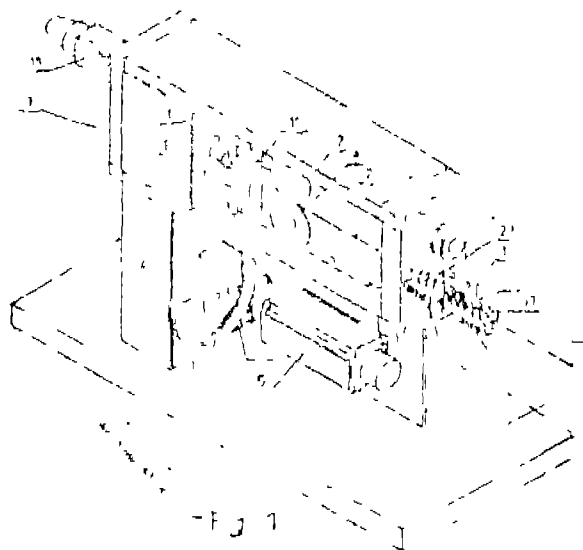
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005

11 Claims

16 Claims

An apparatus for forming a head on an elongate blank (26) said apparatus comprising :

a die (16) having a bottom stop (28) and a through hole for receiving an elongated blank (26) such that one end of the blank contacts said stop and an opposite end portion of the blank extends outside the die at an end thereof opposite the bottom stop, pre-upsetting means (25) for deforming the portion of the blank extending outside the die to produce a deformed portion from which a head can be formed on the blank, said pre-upsetting means (25) comprising a pre-upsetting bushing (25) in extension of the die (16) and a punch (27) slidably movable in the pre-upsetting bushing to engage an end of said portion of the blank extending from the die and apply pressure to the blank characterised in that the said apparatus comprises : means for positively controlling relative movement of the punch (27) and one of the pre-upsetter (25) and the die (16) with respect to each other to move one of the preupsetter and die from each other while the said pre upsetting punch (27) continue to press in a direction towards the die and thereby achieving a greater upsetting ratio than about 5.



(Compl. Specn. 32 Pages;

Drwn Sheets 22)

Ind. Cl. : B21 L VI (9)

185557

Int. Cl.⁴ : B21 6 B, 19/00, 21/00, 21/10, 21/14, 21/18, 21/20

A PROCESS FOR FORMING A RAZOR BLADE

Applicant : THE GILLETTE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors :

- (1) CHARLES ROBERT PARENT, U.S.
- (2) JOHN MADEIRA, U.S.
- (2) STEVEN SYNG-HI HAHN, U.S.
- (4) CHONG-PING PETER CHOU, U.S.
- (5) LAMAR EUGENE BROOKS, U.S.

Application for Patent No. 530/Del/92 filed on 17-06-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patent, Rules, 1972), Patent Office Branch, New Delhi-110005.

A process for forming a razor blade comprising the steps of forming a wedge-shaped sharpened edge on a substrate that has an include angle of less than thirty degrees and a tip with a radius of curvature of less than twelve hundred angstroms; disposing said substrate and a solid target member in a chamber, and sputtering said solid target member to generate carbon atoms for forming a layer of diamond or diamond-like carbon material on said sharpened edge of said substrate from said carbon atoms from said solid target member while an RF bias is applied to said substrate; said layer of diamond or diamond-like carbon material having an ultimate tip of said diamond or diamond-like carbon material with a radius of curvature of less than 500 angstroms and an aspect ratio, defined as the ratio of (a) the distance from the ultimate tip to the tip of the wedge shaped sharpened edge and (b) the width of the diamond or diamond-like carbon material at the tip of the wedge-shaped sharpened edge, in the range of 1 : 1-3 : 1.

(Compl. Specn 17 Pages;

Drwn Sheets 2)

Ind. Cl. : B21

185558

Int. Cl.⁴ : A 61 K 7/16

A DENTIFRICE COMPOSITION HAVING A RDA VALUE LESS THAN 150 AND PROCESS FOR PREPARING THE SAME.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA.

Inventors :

- (1) DANIEL COLODNEY, U.S.A
- (2) KATHLEEN PATRICIA THOMAS, U.S.A

Application for Patent No. 539/Del/92 filed on 19th June, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi 110005

9 Claims

A dentifrice composition having a RDA value less than 150 which provides a prophy mouthfeel to the user thereof during toothbrushing, the dentifrice comprising :

a vehicle of the kind such as herein described having dispersed therein a siliceous polishing agent at a concentration of 10 to 40% by weight having a particle size distribution of 1 to 100 microns wherein (1) more than 25% of the particles have a size of greater than 20 microns and (2) at least 10% of the particles of (1) have a particle size greater than 60 microns and at least 5% of the particles have a particle size greater than 80 microns and particle size distribution of silica in the dentifrice is as follows :—

Particle size	% of silica particles in dentifrice
20	50 to 70
> 40	10 to 40
> 60	1 to 20
> 80	1 to 10

(Compl. Specn, 18 Pages;

Drwn, Sheet Nil)

Ind. Cl. : 145 A

185559

Int. Cl.¹ : B 31 D, 1/04**A SINGLE LAMINA CELLULOSIC FIBROUS STRUCTURE AND AN APPARATUS THEREOF.**

Applicant : THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTER & GABLE PLAZA, CINCINNATI, STATE OF OHIO 45202, UNITED STATES OF AMERICA.

Application for Patent No. 559/Del/92 filed on 26-6-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

13 Claims

A single lamina cellulosic fibrous structure comprising at least three regions, said three regions disposed in a nonrandom, repeating pattern and being distinguished from each other by at least one intensive property, selected from the group consisting of basis weight, density, and projected average pore size, wherein the said basis weight or density of at least one region is at least 25 percent different than said basis weight or density of another region.

(Compl. Specn. 75 Pages ;

Drawn. 16 Sheets)

Ind. Cl. : B01 D, 53/00

185560

Int. Cl.¹ : B5 S, 6 B-2**A DEVICE FOR PURIFYING EXHAUST GASES EMITTING FROM FURNACES.**

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventor : ASIM KUMAR GUHA, INDIA.

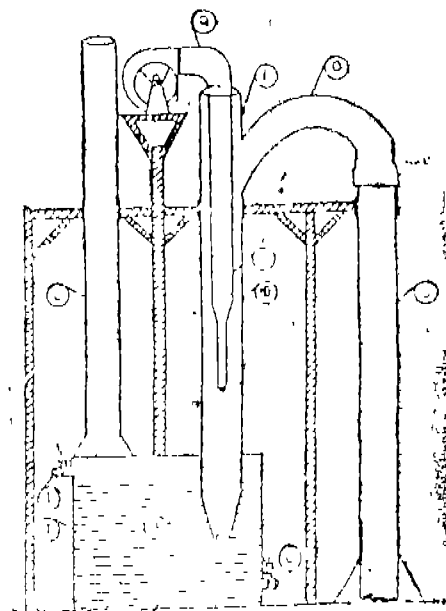
Application for Patent No. 575/Del/92 filed on 30-06-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

A device for purifying exhaust gases emitting from furnaces which comprises a water tank (T) having an inlet (I) and outlet (O) provided with valves (V_1 , V_2) for controlling the flow of water, the said tank (T) being provided with two openings at the top for fixing chimneys, a chimney (F) being fixed in one of the said openings of the said tank, the said chimney (E) having two parts, one part of the said chimney (E) being straight (B), both ends of the said straight part (B) being open, the lower end of the said part (B) being conical in shape and extending into the said water tank, the other part (D) of the said chimney (E) being bent in a semicircular manner, the said bent part (D) being fixed to the said straight part (B) near the top, the open end of the said bent part (D) being in the form of a funnel (F) so as to facilitate tight fitting with the mouth of the furnace stack (S), a pipe (P) being fixed inside the said straight part (B) of the said chimney (E), the said pipe (P) being connected to an air blower

(Q) & passes all three fourth of the length of the said chimney (E), another straight chimney (O) being fixed through the other opening at the top of the said tank (T).



(Compl. Specn. 8 Pages;

Drawn. Sheet 1)

OPPOSITION PROCEEDINGS

An opposition entered by M/s. Crompton Greaves Ltd., to the grant of a patent to the application No. 173019 (256/Bom/91) has been dismissed and the application for patent has been ordered to proceed for sealing.

An opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a patent to the application No. 181865 (573/Cal/94) has been withdrawn and the application for patent has been ordered to proceed for sealing.

An opposition has been entered by Harbans Lal Malhotra & Sons Ltd., Calcutta to grant of a Patent on application No. 184237 (891/Del/91) dated 20-03-1991 made by The Gillette Company, USA.

An opposition has been entered by Dr. K. Venkateshwarlu, Bangalore-560 018 to the grant of a Patent Application No. 184504 (655/Bom/1997) made by M/s. Synit Drugs Private Limited, Mumbai-400 018.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Eaton Corporation, a corporation organized and existing under the laws of the State of Ohio, having its principle place of business at 1111 Superior Avenue, Cleveland, Ohio 44114, U.S.A., have made an application under Section 57 of the patents Act, 1970 for amendment of specification of their application for patent No. 183905 for "Apparatus for generating a signal representative of a total harmonic distortion in waveforms of an A/C electrical systems". The amendments are by way of change of complete specification.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700020. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

171068 174339 172068 182041 178942 178638 174977 182246
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 175195 178954 177381

Patent Sealed on 25-01-2001

184156 184171 184172 184173 184181 184182 184183 184191
 184192 184194 184196 184197 184198 184199 184200

Cal-09, Del-Nil, Mum Nil, Chen-06.

Patent shall be deemed to be endorsed with words licence of Right Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D-Drug Patents

F-Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in each entries is the date of the registration included in the entries.

Class 3. No. 182860. Mattel, Inc. of 333, Continental Boulevard, El Segundo, California, 90245-5012, USA. "CONTAINER FOR PLAYING PIFCS FOR A GAME". 27th January 2000. Priority (U.K.).

Class 3. No. 182859. Mattel, Inc. 333, Continental Boulevard, El Segundo, California, 90245-5012, USA. "RACK FOR SUPPORTING PLAYING PIFCS FOR A GAME". 27th January 2000. Priority (U.K.).

Class 3. No. 182859. Mattel, Inc. of 333, Continental Boulevard, El Segundo, California, 90245-5012, USA. "GAMES BOARD". 27th January 2000. Priority (U.K.).

Class 3. No. 178998. Ahmed Mills, an Indian Partnership firm of Two Tanks 170, Maulana Shaukatali Rd., Mumbai 400098. "CONTAINER". 18th March, 1999.

Class 3. No. 182194. Plastics & Metallizing Pvt. Ltd. (a Pvt. Ltd. Co.) of Veer Savarkar Marg, Prabhadevi, Mumbai-400025 Maharashtra, India. "PLASTIC COMB". 25th April 2000.

Class 3. No. 182430. El Segundo, California, 90245-5012, USA. "DRUM". 23rd May 2000.

Class 3. No. 182636 & 182638. Ajanta Watch Ltd., of Orsat Industrial Estate, Rajkot Highway Morbi-363617 Gujarat, India. "WALL CLOCK". 16th June 2000.

Class 3. No. 182797, 182798, 182799, 182800, 182801, 182802, 182803. Merz & Krell GmbH & Co. of Bahnhofstrasse 76, 64401 Gross Bieberau, Germany. "BALI PEN". 1th July, 2000.

Class 3. No. 182809. Smart International, an Indian Partnership firm of S 158, Greater Kailash Part II New Delhi-110048 India. "MODULAR HAND SIGNAL TAMP". 6th July 2000.

Class 3. No. 182878. National Institute of Design, Paldi, Ahmedabad 380007 Gujarat, India. "WRITING AID FOR RHEUMATOID ARTHRITIC PERSON". 14th July 2000.

Class 3. No. 182907. Siemens Aktiengesellschaft, Wittelsbacherplatz 2 80333 München, Germany. "TELEPHONE". 17th July 2000.

Class 3. No. 183026. Panduit Corp. of 17301, Ridgeland Avenue, Tinley Park, Illinois 60477-3091 United States of America. "FIBER OPTIC PLUG CONNECTOR". 26th July 2000.

Class 3. No. 183028, 183029 & 183030. ITM Enterprises, a French "Société Anonyme" 21 Rue Auguste Chabrier, 75015 Paris. "RAZOR" "RAZOR IN HOLDER" "HOLDER FOR RAZOR". 26th July 2000.

Class 3. No. 183033, 183036 & 183037. V.I.P. Industries, an Indian Co. of DGP House, 88 C, Old Prabhadevi Road, Mumbai 400025 Maharashtra, India. "SUICASE". 28th July 2000.

Class 3. No. 183097. National Bulk Products, Plot No. 19, Atgaon Industrial Company, Opp : Atgaon Rly. Station, Village-Atgaon, Tal : Shahapur, Dist. Thana, (Maharashtra) "BOTTLE CAP". 1st Aug. 2000.

Class 3. No. 183341. Universal Luggage Manufacturing company Limited at B.I. Building, 3rd Floor, Shah Industrial Estate Saki Vihar Road, Mumbai-400072 Maharashtra, India. "Socket". 3rd October 2000.

Class 3. No. 183586. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Dimmer Knob". 3rd October 2000.

Class 3. No. 183558. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Switch". 3rd October 2000.

Class 3. No. 183560. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Switch Plate". 3rd October 2000.

Class 3. No. 183566. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Switch Plate". 3rd October 2000.

Class 3. No. 183583. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Socket". 3rd October 2000.

Class 3. No. 183584. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Socket". 3rd October 2000.

Class 3. No. 183582. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Socket". 3rd October 2000.

Class 3. No. 183588. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Fuse". 3rd October 2000.

Class 3. No. 183578. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Socket". 3rd October 2000.

Class 3. No. 183564. Kiran Enterprise, Bharti Niwas, Besant Street, Santacruz (W), Mumbai-400054, Maharashtra, India. "Switch Plate". 3rd October 2000.

H. D. THAKUR

Controller General of Patents,
Designs & Trade Marks

प्रबन्धक, भारत सरकार मन्त्रालय, फरीदाबाद द्वारा मूद्रित
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